Create secure IP connections with US warfighters and government agencies, without the deployment limitations, expensive logistics, and lifecycle costs associated with Controlled Cryptographic Items (CCI). The Viasat IPS-250X is an Inline Network Encryptor (INE) that complies with NSA Cryptographic High Value Product (CHVP) Policy CNSSI_4031 for Non-CCI handling of HAIPE Suite B devices.

Supporting the secure exchange of classified information up to the Secret level, this device is appropriate for government agencies, such as the FBI, Department of Homeland Security, and first responders, with users in their networks who may not have COMSEC accounts or want to minimize COMSEC logistics.

Loaded with HAIPE IS Compliant Suite B and packaged in a low SWaP rugged form factor, this network encryptor is ideal for high-risk and unmanned environments. With an optional remote front panel, aircraft operators can interface with the IPS-250X via cable, providing control access even if the stowed crypto is not physically within reach.

For a less costly alternative to COMSEC logistics, count on Viasat’s IPS-250X for compact, rugged, high-speed protection when connecting securely with government agencies and coalition partners.
# Viasat IPS-250X

## SPECIFICATIONS

### NETWORKING FEATURES AND PROTOCOLS

**Protocols Supported**
- TCP, UDP, IPv4/IPv6 Dual Stack, ICMP, IGMP, ARP, DHCP

**Networking Features**
- Dynamic IP addressing, dynamic key management, red address confidentiality with dynamic peer discovery

**Management**
- SNMPv3 and HTTPS browser-based management, VINE Manager software

**Multicast**
- IGMP on red and black subnet

**Quality of Service (QoS)**
- Supports fragmentation and header options for red IP packets

**Flexible Interfaces**
- Ethernet interface, adapter provides for RJ-45 copper, fiber optic, wireless, and other interfaces supported

### CRYPTO CHARACTERISTICS

**Algorithms**
- Secret and Below Suite B cryptography

**Key Fill Interface**
- DS-101

**Flexible Keying**
- EKMS, unclassified/classified DGSK, IKEv2/ECDH, software-upgradeable to KMI OTNK

### PHYSICAL CHARACTERISTICS

**Dimensions (W x H x D)**
- 4.45 x 1.52 x 7.96 in.

**Weight**
- 2.8 lb

**Power**
- 14 W typical; 12 to 28 VDC; MIL-STD-1275D; MIL-STD-704F

**Battery**
- External user replaceable battery, one “1/2AA” lithium cell, 3.5 year operating life typical

### RELIABILITY AND MAINTENANCE

**Predicted MTBF**
- 350,000 hr

**Predicted MTTR**
- 15 min

**Other**
- Extensive power up and online BIT

### ENVIRONMENT

**Operating Temperature**
- -40° to +60° C

**Non-operating Temperature**
- -40° to +71° C

**Solar Radiation**
- MIL-STD-810G, Method 505.5

**Humidity**
- To 95% MIL-STD-810G, Method 507.5

**Altitude**
- 50,000 ft operational; 70,000 ft storage; MIL-STD-810G, Method 500.5

**Explosive Atmosphere**
- MIL-STD-810G, Method 511.5

**Rapid Decompression**
- MIL-STD-810G, Method 516.6; MIL-STD-167 Type II

**Shock**
- MIL-STD-810G, Method 516.6; MIL-STD-901D Grade A Class II, Type C

**EMI/EMC**
- MIL-STD-461E

**Rain**
- Blowing rain MIL-STD-810G, Method 506.5

**Sand/Dust**
- MIL-STD-810G, Method 510.5

**Fungus**
- MIL-STD-810G, Method 510.5

**Salt Fog**
- MIL-STD-810G, Method 509.5

### ORDERING INFORMATION

**IPS-250X**
- P/N 1190477
- NSN 5810-01-654-6415

**Rack Mount (holds three IPS-250Xs)**
- P/N 1103865
- NSN 5810-01-654-6415

## CONTACT

### SALES

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